Entire Application of: Ifju et al.



Application No.:

10/731,777

Examiner: Holzen, Stephen A.

Filed:

December 9, 2003

Group Art Unit: 3644

For:

BENDABLE WING FOR MICRO AIR VEHICLE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

Applicants maintain that the inventions as claimed in the above-identified application distinguish over this prior art. This information is provided so that the Examiner can make an independent determination.

Respectfully submitted,

Date: July 8, 2005

Michael K. Dixon, Reg. No. 46,665

Akerman Senterfitt

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Post Office Box 3188

West Palm Beach, FL 33402-3188

Phone: 561.653.5000

Docket No.: 5853-355

Fax:

561.659.6313

PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE perwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/731.777 Filing Date TRANSMITTAL December 9, 2003 **FORM** First Named Inventor Ifiu et al Art Unit 3644 (to be used for all correspondence after initial filing) Examiner Name Holzen, Stephen A. Attorney Docket Number 108 5853-355 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication ~ Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information After Final **Provisional Application** Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please **Terminal Disclaimer Extension of Time Request** Identify below): Non-Patent Literature Documents Request for Refund **Express Abandonment Request** Return Receipt Postcard CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Akerman Senterfitt/Michael K. Dixon, Reg. No. 46,665 P.O. Box 3188 Individual name West Palm Beach FL Signature Date July 8, 2005 **CERTIFICATE OF TRANSMISSION/MAILING** I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Michael K. Dixon, Reg. No. 46,665 Date July 8, 2005 Signature

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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Michael K. Dixon

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Application Number	10/731,777			
Filing Date	December 9, 2003			
First Named Inventor	lfju et al.			
Examiner Name	Holzen, Stephen A.			
Art Unit	3644			
Attorney Docket No.	5853-355			

Telephone 561.653.5000

Date

July 8, 2005

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(Attorney/Agent)

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STATEMENT BY APPLICANT		First Named Inventor	Ifju et al.					
(Use as many sheets as necessary)				Art Unit	3644			
				Examiner Name	Holzen, Stephen A.			
Sheet	1	of	1	Attorney Docket Number	5853-355	$\overline{\mathcal{I}}$		

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹					
		Albertani et al., "Experimental analysis of deformation for flexible-wing Micro Air Vehicles," AIAA SDM Conference, Paper, Austin, TX, 2005.				
		Albertani et al., "Aerodynamic Characterization and Deformation Measurements of a Flexible Wing Micro Air Vehicle," SEM Annual Conference, Portland, OR, 2005.				
		Garcia et al., "Roll Control for a Micro Air Vehicle Using Active Wing Morphing," AIAA Guidance, Navigation and Control Conference, Austin, TX, AIAA-2003-5347, August 2003.				
		Lian et al., "Mebrane Wing Model for Micro Air Vehicles," AIAA Journal, Vol. 41, No. 12, December 2003.				
		Abdulrahim et al., "Flight Characteristics of Wing Shaping for a Micro Air Vehicle with Membrane Wings," International Forum on Aeroelasticity and Structural - continued below				
		Continued from above - Dynamics, Amsterdam, The Netherlands, IFASD-US-24, June 2003.				
		Abdulrahim et al., "Development of Mission-Capable Flexible-Wing Micro Air Vehicles," AIAA Southeastern Regional Student Conference, Huntsville, AL, April 2002.				
		Ifju et al., "Flexible-Wing-Based Micro Air Vehicles," AIAA Aerospace Sciences Meeting and Exhibit, 40th Reno, NV, Jan. 14-17, 2002.				
		Waszak et al., "Stability and Control Properties of an Aeroelastic Fixed Wing Micro Aerial Vehicle," AIAA Atmospheric Flight Mechanics Conf., Montreal, Canada, August 2001.				
		Ifju et al., "Composite Materials for Micro Air Vehicles," SAMPE Conference, Long Beach, CA, May 2001.				

Examiner	 Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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